

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Application Number

09/1605,958

Filing Date

06/28/2000

First Named Inventor

Shi V. Liu

Group Art Unit

1653

Examiner Name

U.S. 2000

Attorney Docket Number

157

02/25/2002  
JC

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>3</sup>
1	1	ZEUTHEN, E., Synchrony in Cell Division and Growth, 1964, pp 1-8, Interscience Publishers, New York, USA	
1	2	HELMSTETTER, C.E., Methods for studying the microbial division cycle, Meth. Microbiol. 1: 327-363, 1969	
1	3	KREK, W. and DeCAPRIO, J.A., Cell synchronization, Meth. Enzymol. 254: 114-124, 1995.	
1	4	HELMSTETTER, C.E. and CUMMINGS, D.J., Bacterial synchronization by selection of cells at division, Proc. Natl. Acad. Sci. USA 50: 767-774, 1963.	
1	5	HELMSTETTER, C.E., Description of a baby machine for <i>Saccharomyces cerevisiae</i> , New Biologist 3: 1089-1096, 1991.	
1	6	HELMSTETTER, C.E., et al., Improved bacterial baby machine: Application to <i>Escherichia coli</i> K-12, J. Bacteriol. 174: 3445-3449, 1992.	
1	7	DEGNEN, S.T. and Newton, A., Chromosome replication during development in <i>Caulobacter crescentus</i> , J. Mol. Biol. 67: 671-680, 1972.	
1	8	EGILMEZ, N.K. et al., Preparation and partial characterization of old yeast cells, J. Gerontology 45: B9-17, 1990.	
1	9	SMEAL, T. et al., Loss of transcriptional silencing causes sterility in old mother cells of <i>S. cerevisiae</i> , Cell 84: 633-642, 1996.	
10		NEIDHARDT, F.C. et al., Physiology of the Bacterial Cell - A Molecular Approach, p 389, Sinauer Associates, Inc. Sunderland, MA 1990.	
11		ALBERTS, B. et al., Molecular Biology of the Cell (2nd Ed.) 1989. p727 Garland Publishing, Inc., New York. [Updated in 3rd Ed in 1994.]	
12		LIU, S.V., Tracking bacterial growth in liquid media and a new bacterial life model, Science in China (Series C) 42: 644-659, 1999.	
13		LIU, S.V., What is bacterial life? Logical Biology 2000: 3-16, 2000. <a href="http://www.logibio.com">http://www.logibio.com</a>	

Examiner  
Signature

Date  
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with 37 CFR 1.56. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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# FEE TRANSMITTAL

## for FY 2002

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

## Complete If Known

Application Number	2002-02-25
Filing Date	Shi V. Liu
First Named Inventor	
Examiner Name	
Group Art Unit	
Attorney Docket No.	

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

 Deposit Account:

Deposit Account Number	
Deposit Account Name	

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
101 740	201 370	Utility filing fee	370
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	
SUBTOTAL (1) (\$)			370

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	-20** =	X	=
Independent Claims	-3** =	X	=
Multiple Dependent			

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
103 18	203 9	Claims in excess of 20	
102 84	202 42	Independent claims in excess of 3	
104 280	204 140	Multiple dependent claim, if not paid	
109 84	209 42	** Reissue independent claims over original patent	
110 18	210 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$)			0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65		Surcharge - late filing fee or oath	
127 50	227 25		Surcharge - late provisional filing fee or cover sheet	
139 130	139 130		Non-English specification	
147 2,520	147 2,520		For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*		Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*		Requesting publication of SIR after Examiner action	
115 110	215 55		Extension for reply within first month	
116 400	216 200		Extension for reply within second month	
117 920	217 460		Extension for reply within third month	
118 1,440	218 720		Extension for reply within fourth month	
128 1,960	228 980		Extension for reply within fifth month	
119 320	219 160		Notice of Appeal	
120 320	220 160		Filing a brief in support of an appeal	
121 280	221 140		Request for oral hearing	
138 1,510	138 1,510		Petition to institute a public use proceeding	
140 110	240 55		Petition to revive - unavoidable	
141 1,280	241 640		Petition to revive - unintentional	
142 1,280	242 640		Utility issue fee (or reissue)	
143 460	243 230		Design issue fee	
144 620	244 310		Plant issue fee	
122 130	122 130		Petitions to the Commissioner	
123 50	123 50		Processing fee under 37 CFR 1.17(q)	
126 180	126 180		Submission of Information Disclosure Stmt	
581 40	581 40		Recording each patent assignment per property (times number of properties)	
146 740	246 370		Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740	249 370		For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370		Request for Continued Examination (RCE)	
169 900	169 900		Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

0

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Shi V. Liu	Registration No. (Attorney/Agent)	Telephone 845-651-0551
Signature	Shi V. Liu	Date	2002-02-25

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